

IN THE CLAIMS

Please amend Claims 1, 3-9, 11-13, 15 as follows. Please add new claims 16-19.

In accordance with the revised amendment format, a complete listing of all claims follows.

1. (Currently Amended) A four legged domestic pet mammal body fat determining system for determining the percentage body fat of a four legged domestic pet mammal, comprising:

means for measuring a first body dimension having a high correlation with percentage body fat;

means for measuring a second body dimension having a low correlation with percentage body fat; and

a body fat look-up table comprising a first storage area for storing therein entries of the first body dimension, a second storage area storing therein entries of the second body dimension and an output storage area storing an indication of the percentage body fat determined from a relationship between the first and second body measurements.

2. (Original) A system according to claim 1, wherein the first body measurement is the circumference of the ribcage, taken at the 9th rib.

3. (Currently Amended) A system according to claim 1 or ~~claim 2~~, wherein the second body measurement is a leg index measurement, which is the length of the hind limb measured between the patella (knee) and the calcaneal tuber (hock).

4. (Currently Amended) A system according to claim 1,any preceding claim, wherein the output storage area provides an indication of whether the mammal is under, normal or overweight.

5. (Currently Amended) A system according to claim 1,any preceding claim,

wherein the output storage area provides a numerical percentage body fat.

6. (Currently Amended) A system according to claim 1,any preceding claim, wherein the relationship between the percentage body fat and first and second body dimensions is given by the equation:

$$\text{PercentageBodyFat} = \left[\frac{\frac{R}{C_1} - L}{C_2} \right] - L$$

where R = ribcage circumference

L = leg index measurement

C1 = constant

C2 = constant.

7. (Currently Amended) A system according to claim 1,any preceding claim wherein the four legged mammal is a cat.

8. (Currently Amended) A lookup table for use in the system of claim 1,any preceding claim, comprising:

a first storage area storing therein entries of the first body dimension;

a second storage area storing therein entries of the second body dimension; and

an output storage area storing an indication of percentage body fat determined from a relationship between the first and second body measurements.

9. (Currently Amended) A four legged domestic pet mammal target body

weight determining system for determining a target body weight for a four legged mammal, comprising:

(a) a system for measuring the percentage body fat of a four legged domestic pet mammal comprising:

(i) means for measuring a first body dimension having a high correlation with percentage body fat;

(ii) means for measuring a second body dimension having a low correlation with percentage body fat; and

(iii) a body fat look-up table comprising a first storage area for storing therein entries of the first body dimension, a second storage area storing therein entries of the second body dimension and an output storage area storing an indication of the percentage body fat determined from a relationship between the first and second body measurements;

and

(b) a target body weight look-up table comprising a first storage area for storing entries of the percentage body fat, a second storage area for storing entries of body weight, and an output storage area storing an indication of the target body weight.

10. (Original) A system according to claim 9, wherein the relationship between the target weight and the percentage body fat is given by the equation:

$$\text{Target weight} = 1.33 \times \text{Body weight (kg)} \times ((100\% \text{ body fat})/100)$$

11. (Currently Amended) A system according to claim 9 or 10, wherein the target weight is an ideal weight.

12. (Currently Amended) A system according to claim 9, ~~10 or 11~~, wherein the first body measurement is the circumference of the ribcage, taken at the 9th rib. ~~system for measuring the percentage body fat is a system according to any of claims 1 to 7.~~

13. (Currently Amended) A system according to ~~any of claims 9 to 12~~ claim 9, further comprising an additional output storage area storing an indication of an energy allowance.

14. (Original) A system according to claim 13, wherein the indication of energy allowance is a daily allowance in kcal/kg.

15. (Currently Amended) A system according to ~~any of claims 9 to 14~~ claim 9, wherein the four legged mammal is a cat.

16. (New) A system according to claim 9, wherein the second body measurement is a leg index measurement, which is the length of the hind limb measured between the patella (knee) and the calcaneal tuber (hock).

17. (New) A system according to claim 9, wherein the output storage area provides an indication of whether the mammal is under, normal or overweight.

18. (New) A system according to claim 9, wherein the output storage area provides a numerical percentage body fat.

19. (New) A system according to claim 9, wherein the relationship between the percentage body fat and first and second body dimensions is given by the equation:

$$\text{PercentageBodyFat} = \left[\frac{\frac{R}{C_1} - L}{C_2} \right] - L$$

where R = ribcage circumference

L = leg index measurement

C1 = constant

C2 = constant.